

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method of setting a guard interval in an OFDM communication, comprising:

attaching a part of a first valid symbol to the first valid symbol as a guard interval, the first valid symbol being normal information;

attaching a part of a second valid symbol to be transmitted after the first valid symbol is transmitted, the second valid symbol being retransmission information and requiring higher channel quality than the first valid symbol, to the second valid symbol as a guard interval; and

providing the guard interval of the second valid symbol at a length greater than the guard interval of the first valid symbol.

2. (Original) The method of claim 1, further comprising maintaining the length of the first valid symbol and the second valid symbol.

3. (Original) The method of claim 1, further comprising:

inserting user data in the first valid symbol; and

inserting control data in the second valid symbol.

4. (Original) The method of claim 1, further comprising changing the length of the guard interval of the first valid symbol in accordance with channel quality.

5. (Original) The method of claim 1, further comprising maintaining the length of the guard interval of the second valid symbol.

6. (Original) The method of claim 1, further comprising maintaining the length of the guard interval of the second valid symbol at a predetermined length greater than the guard interval of the first valid symbol.

7. (Original) The method of claim 1, further comprising forming the guard interval of the second valid symbol by attaching a length that changes in accordance with channel quality of the guard interval of the first valid symbol.

8. (Currently Amended) A method of setting a guard interval in an OFDM communication, comprising:

attaching a part of ~~the~~ a first valid symbol to the first valid symbol as a guard interval;

attaching a part of a second valid symbol to be transmitted after the first valid symbol is transmitted, the second valid symbol requiring higher channel quality than the first valid symbol, to the second valid symbol as a guard interval; and

changing the length of the guard interval of the first valid symbol in accordance with channel quality while maintaining the length of the guard interval of the second valid symbol.

9. (Previously Presented) A method of setting a guard interval in an OFDM communication, comprising:

attaching a part of a valid symbol to the valid symbol as a guard interval; and

providing the guard interval at a greater length when the valid symbol of retransmission information requires higher quality.

10. (Previously Presented) A method of setting a guard interval in an OFDM communication, comprising:

attaching a part of a valid symbol to the valid symbol as a guard interval; and

providing a guard interval of a valid symbol including retransmission information for control data at a length greater than a guard interval of a valid symbol including user data.

11. (Currently Amended) An OFDM communication apparatus comprising:

an attacher configured to attach a part of a first valid symbol to the first valid symbol as a guard interval, and further configured to attach a part of a second valid symbol to the second valid symbol to be transmitted after the first valid symbol is transmitted, the second valid symbol requiring higher channel quality than the first valid symbol as a guard interval; and

a provider configured to provide the guard interval of the second valid symbol at a length greater than the guard interval of the first valid symbol,

wherein the first valid symbol is normal information, and the second valid symbol is retransmission information.

12-13. (canceled)